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› VEVOR EA45-D 45L Portable Car Refrigerator User Manual

VEVOR EA45-D

VEVOR EA45-D 45L Portable Car Refrigerator User Manual

Model: EA45-D

1. INTRODUCTION

Thank you for choosing the VEVOR EA45-D 45L Portable Car Refrigerator. This manual provides essential information for the safe and efficient operation, maintenance, and troubleshooting of your new appliance. Please read this manual thoroughly before use and retain it for future reference.

Safety Information

- Ensure the refrigerator is placed on a stable, level surface to prevent tipping.
- Maintain adequate ventilation around the unit. Do not block air vents.
- Do not operate the appliance if the power cord is damaged. Contact VEVOR support for assistance.
- Keep the refrigerator away from heat sources and direct sunlight.
- Do not immerse the unit in water or expose it to heavy rain.
- Unplug the refrigerator before cleaning or performing any maintenance.
- This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.

2. WHAT'S IN THE BOX

Carefully unpack your VEVOR EA45-D Portable Car Refrigerator and check that all items are present:

- 1 x Car Refrigerator
- 1 x Adapter (AC Power Adapter)
- 1 x Power Cable (for AC Adapter)
- 1 x Cigarette Lighter Cable (for DC 12/24V)
- 1 x User Manual

3. PRODUCT OVERVIEW

The VEVOR EA45-D is a versatile 45-liter portable car refrigerator designed for cooling and freezing on the go. It features a powerful compressor, dual-zone temperature control, and smart app connectivity.

Dual-Zone Control, Double Ease

Each zone works as fridge or freezer



4 options for different needs



Figure 3.1: VEVOR EA45-D Portable Car Refrigerator

Key Features:

- **Dual-Zone Control:** Two independent compartments allow simultaneous cooling and freezing. Each zone can be set from -20°C to 20°C (-4°F to 68°F).



Figure 3.2: Dual-Zone Functionality

- **Rapid Cooling:** Cools from 20°C to 0°C in approximately 26 minutes.
- **Large Capacity:** 45-liter capacity suitable for various items.
- **Flexible Power Options:** Compatible with DC 12/24V (car power) and AC 110-240V (home power).

Less Than 1 kWh per Day



Figure 3.3: Power Input Ports

- **Smart App Control:** Manage settings and monitor temperature via a mobile application.
- **Low Noise Operation:** Operates quietly, typically below 45 dB.
- **Portability:** Equipped with wheels and a telescopic handle for easy transport.



Figure 3.4: Portability Features

- **Built-in LED Light:** For convenient use in low-light conditions.

4. SETUP

4.1 Initial Placement

- Place the refrigerator on a firm, level surface.
- Ensure at least 10 cm (4 inches) of space around all sides for proper ventilation.
- Avoid placing the unit near direct heat sources or in direct sunlight.

4.2 Power Connection

The refrigerator can be powered by either AC (home outlet) or DC (car cigarette lighter) power.

AC Power (110-240V)

1. Connect the AC power cable to the adapter.
2. Plug the adapter into the AC power input port on the refrigerator.
3. Insert the AC power plug into a standard wall outlet.

DC Power (12/24V)

1. Connect the cigarette lighter cable to the DC power input port on the refrigerator.
2. Insert the other end of the cigarette lighter cable into your vehicle's 12V or 24V cigarette lighter socket.

Note:

- Do not connect both AC and DC power simultaneously.
- The refrigerator will automatically detect the input voltage (12V or 24V).

5. OPERATING INSTRUCTIONS

The refrigerator can be controlled via the integrated LED control panel or through the dedicated mobile application.

Pack More, Go Farther

48QT/45L

20.08 in / 510 mm

15.35 in / 390 mm

27.20 in / 691 mm



57 Cans
12 floz Cola



30 Bottles
19 floz Water



9 Bottles
25 floz Beer

Figure 5.1: Control Panel

5.1 Control Panel Functions

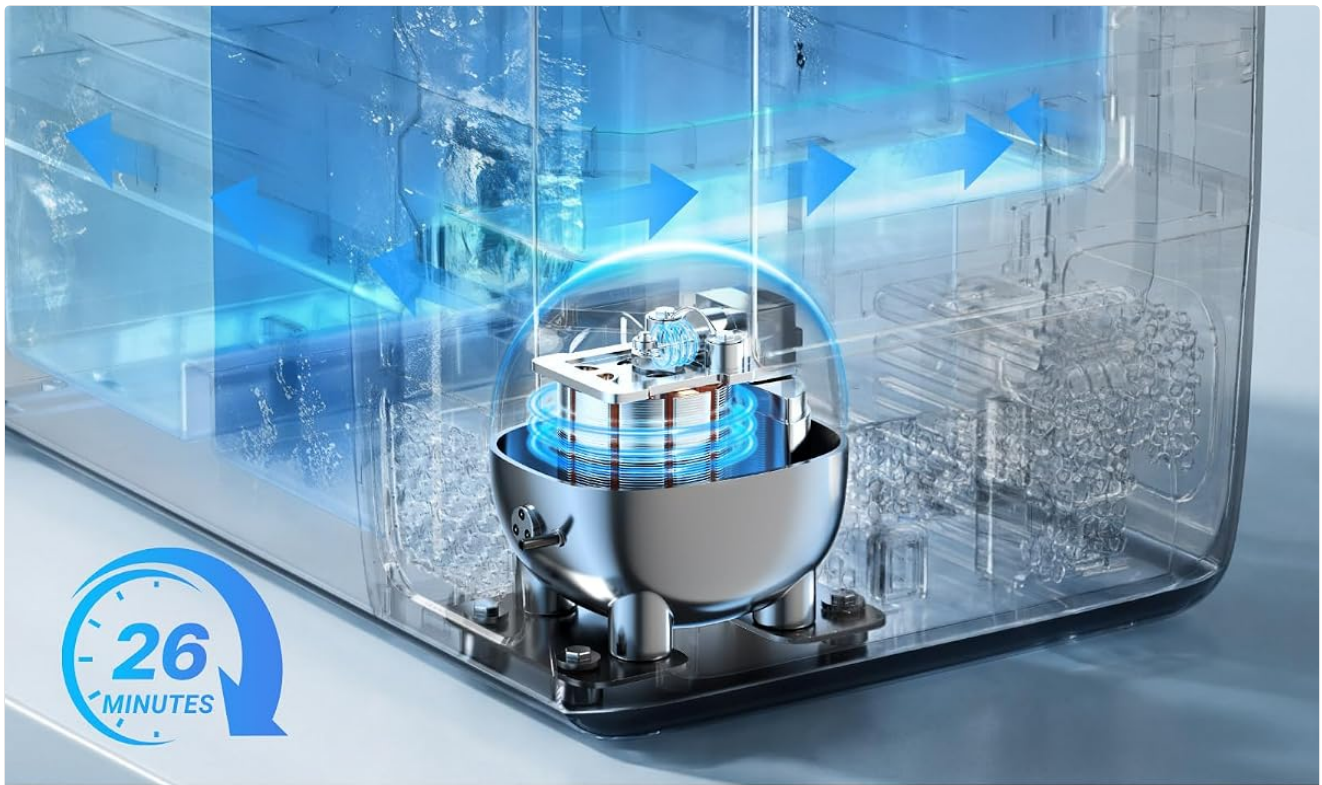
- **Power Button:** Press to turn the unit ON/OFF.
- **SET Button:** Press to cycle through settings (e.g., temperature units, battery protection mode). Long press to enter temperature setting mode for each zone.
- **+/- Buttons:** Adjust temperature settings, navigate menu options.
- **MAX/ECO Button:** Toggle between Max (fast cooling) and ECO (energy-saving) modes.

5.2 Temperature Adjustment

1. Turn on the refrigerator.
2. Long press the **SET** button until the temperature display for a zone starts flashing.
3. Use the +/- buttons to set the desired temperature for that zone.
4. Press **SET** again to switch to the other zone and repeat the process, or wait a few seconds for the setting to be saved automatically.

5.3 Dual-Zone Configuration

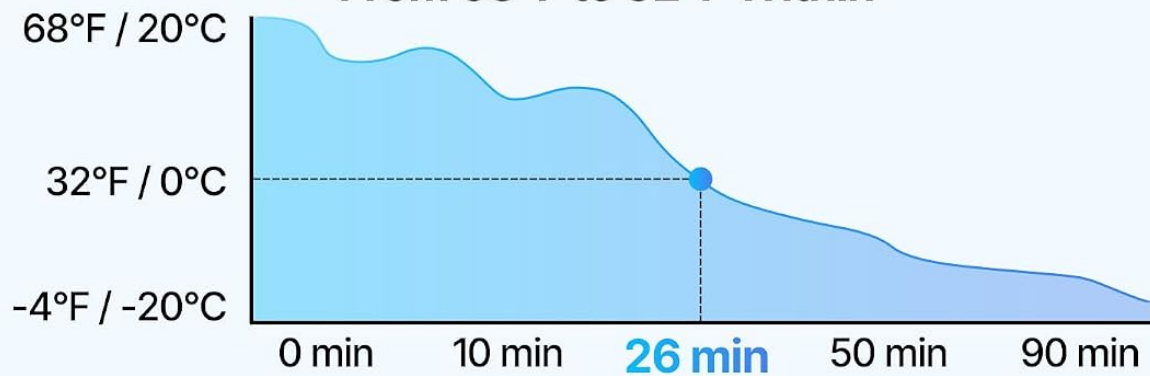
The EA45-D features two compartments. Each can function as a refrigerator or freezer independently. The temperature range for both zones is -20°C to 20°C (-4°F to 68°F).



26 Min Rapid Cooling, Lock in Freshness

Built with a powerful & quiet compressor

From 68°F to 32°F Within



*Empty chamber test data at room temperature

Figure 5.2: Dual Compartment Interior

5.4 Cooling Modes

- **MAX Mode:** Provides maximum cooling power for rapid temperature reduction. Ideal for quickly chilling items.
- **ECO Mode:** Operates with reduced power consumption, suitable for maintaining temperature over longer periods and saving battery life.

5.5 Battery Protection

The refrigerator includes a 3-level battery protection system to prevent your vehicle's battery from draining

completely.



Figure 5.3: Battery Protection Levels

- **H (High):** Highest protection, cuts off power at a higher voltage. Recommended for vehicle batteries.
- **M (Medium):** Medium protection.
- **L (Low):** Lowest protection, allows the battery to discharge more. Recommended for external power banks or deep cycle batteries.

To adjust the battery protection level, long press the **SET** button until the battery icon flashes, then use the **+/-** buttons to select H, M, or L.

5.6 App Control

Download the VEVOR refrigerator app from your smartphone's app store. Follow the in-app instructions to connect your refrigerator via Bluetooth. The app allows you to:



Figure 5.4: Mobile App Control Interface

- Turn the unit ON/OFF.
- Set temperatures for each zone.
- Switch between MAX and ECO modes.
- Adjust battery protection levels.
- Lock the control panel.

6. MAINTENANCE

6.1 Cleaning

- Always unplug the refrigerator before cleaning.
- Wipe the interior and exterior surfaces with a damp cloth and mild detergent.
- Do not use abrasive cleaners, harsh chemicals, or sharp objects, as these can damage the surfaces.
- Ensure the unit is completely dry before plugging it back in.

6.2 Defrosting

The refrigerator features an automatic defrost system. However, if a thick layer of ice builds up, manually defrost the unit:

1. Turn off the refrigerator and unplug it.
2. Remove all contents.
3. Leave the lid open to allow the ice to melt naturally.
4. Wipe away melted water with a clean cloth.
5. Do not use sharp objects to remove ice, as this can damage the cooling elements.

6.3 Storage

If storing the refrigerator for an extended period:

- Clean and dry the unit thoroughly.
- Leave the lid slightly ajar to prevent odors and mold growth.
- Store in a dry, well-ventilated area, away from direct sunlight and extreme temperatures.

7. TROUBLESHOOTING

If you encounter issues with your refrigerator, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Refrigerator not turning on	No power supply; Damaged power cable; Blown fuse in vehicle.	Check power connection; Try a different power outlet/source; Inspect and replace fuse if necessary.
Not cooling sufficiently	Temperature setting too high; Blocked ventilation; Excessive items inside; Lid not closed properly; Ambient temperature too high.	Lower temperature setting; Ensure clear airflow around unit; Reduce contents; Close lid securely; Move to a cooler environment.
Display shows an error code	Specific internal fault (e.g., sensor error, compressor error).	Refer to the specific error code in the full user manual (if available) or contact VEVOR customer support. Try restarting the unit.
Excessive noise	Unit not level; Items inside rattling; Fan obstruction.	Ensure unit is on a stable, level surface; Secure items inside; Check for obstructions in fan area.

If the problem persists after attempting these solutions, please contact VEVOR customer support.

8. SPECIFICATIONS

Detailed technical specifications for the VEVOR EA45-D Portable Car Refrigerator:

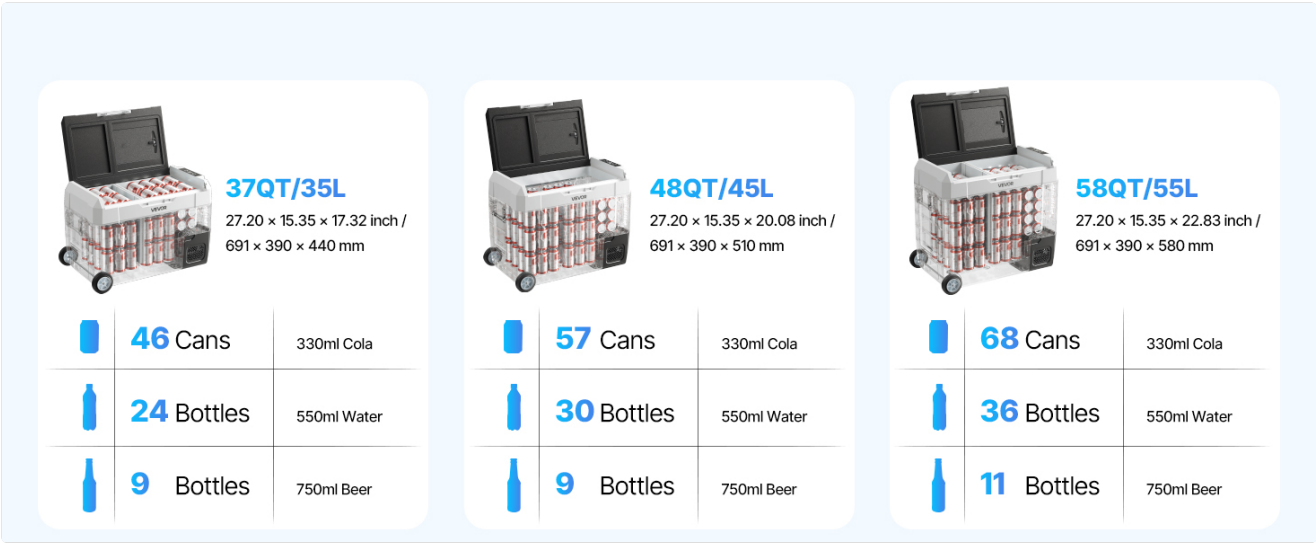


Figure 8.1: Product Dimensions

Feature	Specification
Brand	VEVOR
Model Number	EA45-D
Capacity	45 Liters (48 QT)
Product Dimensions (W x D x H)	691 x 390 x 510 mm (27.20 x 15.35 x 20.08 inches)
Item Weight	35.49 lbs (16.1 kg)
Color	Black
Configuration	Compact with internal freezer
Special Features	App Control, Portable
Installation Type	Freestanding
Number of Doors	1
Defrost System	Automatic
Voltage (AC)	110-240 Volt (AC)
Voltage (DC)	12/24 Volt (DC)
Form Factor	Compact
Cooling Method	Compressor
Adjustable Temperature Control	Yes

Feature	Specification
Temperature Range	-20°C to 20°C (-4°F to 68°F)
Power Plug Type	Type C
Door Opening Direction	Upwards
Convertible Freezer	Yes
Number of Sections	2
Power Source	Electric
Annual Energy Consumption	198 kWh
Refrigerant	R-600A
Door Material Type	Plastic
Specific Product Uses	Amateur, Outdoor
UPC	197988364481
Manufacturer	VEVOR
Manufacturer Part Number	Car Refrigerator 48 QT

9. WARRANTY AND SUPPORT

9.1 Product Warranty

The product warranty information for this VEVOR EA45-D Portable Car Refrigerator is not specified in the provided details. Please refer to your purchase documentation or contact the retailer for specific warranty terms.

9.2 Customer Support

For any questions, technical assistance, or service inquiries, please contact VEVOR customer support through their official website or the contact information provided with your purchase. When contacting support, please have your model number (EA45-D) and purchase details ready.